

## NEW SPECIES OF PYRALIDÆ FROM FORMOSA.

BY A. E. WILEMAN AND RICHARD SOUTH.

*Endotricha ruficosta*, sp. n.

♂. Fore wings brown, finely sprinkled with blackish, costa, except at apex, reddish and dotted with white; terminal line black, interrupted; fringes brown traversed by a black line, white at base. Hind wings brown with dusky discoidal dot and faint curved and indented line beyond; fringes as on fore wings. Under side similar to above.

Expanse, 16 mm.

Collection number, 380.

A male specimen from Tainan (sea-level), July 22nd, 1904.

*Pyralis (?) costimacula*, sp. n.

♀. Fore wings ochreous brown, marked with black on basal half of costa, and shaded with smoky brown on terminal area; discoidal spot, a dot in the cell, and the postmedial line black, the latter elbowed above middle; a black mark on the costa towards apex; terminal line black, interrupted at ends of veins; fringes ochreous mixed with blackish grey, paler at the base. Hind wings fuscous, darker towards termen, discoidal dot and mark above tornus black; terminal line black, diffuse; fringes grey mixed with darker, ochreous at base. Under side fuscous; fore wings marked with ochreous on costa; hind wings with black discoidal dot and traces of a blackish postmedial line, the latter bluntly angled below middle.

Expanse, 24 mm.

Collection number, 1730.

A female specimen from Rantaizan (7500 ft.), May 14th, 1909.

*Ambia interruptalis*, sp. n.

♂. Fore wings brown powdered with ochreous and with some white marks on basal area; antemedial line black, curved, inwardly edged with white; postmedial line black, turned in just under black discoidal mark thence direct to dorsum; two longitudinal white bars—one in the cell and one larger under the cell, the latter divided by the postmedial line; the upper part of postmedial outwardly edged with white and beyond this a dark brown broad line runs from costa to dorsum; subterminal line black, inwardly edged with white; fringes ochreous, tips marked with dark brown. Hind wings brown, basal area white marked with brown; three white spots edged with black on median third—two towards costa and one above tornus; subterminal line and fringes as on fore wings.

Expanse, 16 mm.

Collection number, 1305.

Near *A. inters strigalis*, Hampson.

Two male specimens, Tainan. The type taken March 22nd, 1904; the other April 26th, 1907.

*Aulacodes conjunctalis*, sp. n.

♂. Head whitish, thorax and abdomen buff, posterior edges of segments of the latter whitish. Fore wings orange-buff with silvery markings; a black point about middle of costal area and a patch of greyish hairs below forming the sex mark; a silvery band from middle of base curves to tornus where it unites with a silvery subterminal band; a postmedial silvery triangle, broad on costa, concave on outer edge, apex produced almost to junction of the subterminal with curved band; termen silvery towards base; terminal lunules black, slender; fringes whitish, silky. Hind wings silvery whitish: medial band orange-buff, inwardly limited by a blackish line, outer edge diffuse; four black spots, each with silver centre, enclosed in an orange-buff patch on termen; no distinct terminal line, fringes whitish, silky.

♀. Larger and without sex mark, otherwise similar to the male. Expanse, 22 mm. ♂. 30 mm. ♀.

Collection number, 505.

A male specimen and two females from Kanshirei (1000 ft.). The male taken August 16th, 1905, and the females April 17th, 1906, and April 21st, 1908.

Several specimens from Formosa (Wileman), in the British Museum.

Near *A. sejunctalis*, Snellen, with which species it agrees in marking but is much larger, and the ground colour is brighter.

*Parthenodes taiwanalis*, sp. n.

♂. Head blackish-brown; thorax blackish-brown, mixed with whitish; abdomen blackish-brown, posterior edges of segments whitish. Fore wings blackish-brown, marked with white on basal area; antemedial and postmedial lines white, the latter projected inwards about middle, both lines indistinct; two white spots in the cell, the outer one surmounted by a white dot, the inner one almost united with a larger white spot below the cell; subterminal line white, only clear towards apex and tornus, followed by a fulvous band on termen; fringes white marked with fulvous about middle. Hind wings blackish-brown, some white marks on the basal area; medial area white, enclosing a dark discoidal lunule; postmedial line white, strongly angled about middle; subterminal line, band beyond and fringes as on the fore wings. The whole markings on all wings have a silvery sheen.

Expanse, 24 mm.

Collection number, 1061.

Two male specimens from Arizan (7300 ft.), September 15th, 1906; two females, also from Arizan, August 8th and 15th, 1905.

Comes near *P. distinctalis*, Leech.

*Agrotera ornata*, sp. n.

♂. Head orange-brown, thorax and abdomen white marked with orange, the anal segment of abdomen inclining to brownish. Fore

wings white marked with orange on the basal third, limited by an almost straight orange antemedial line; outer two thirds whitish grey suffused, clouded with dark grey beyond the antemedial line, and with brown grey on the terminal area; discoidal mark orange, part outlined in dark brown and enclosing a dark brown lunule; postmedial line, indicated by dark grey dots on the veins, elbowed inwards below the cell; subterminal line black interrupted; fringes dark grey, marked with paler just below apex. Hind wings similar to fore wings, but without discoidal mark. Under side whitish, silky, suffused with fuscous on fore wings; a black discal dot and traces of a dusky postmedial line on all wings.

Expanse, 24 mm.

Collection number, 1396.

A male specimen from Kanshirei (1000 ft.), April 29th, 1908. Comes between *A. scissalis*, Walker, and *A. effertalis*, Walker.

*Pagyda nebulosa*, sp. n.

♂. Head, thorax, and abdomen whitish ochreous, the abdomen faintly tinged with brown on hinder segments. Fore wings whitish ochreous, inclining to yellowish towards costa; sub-basal line pinkish-brown, outwardly oblique; antemedial line pinkish-brown, nearer to sub-basal on dorsum than on costa; postmedial line pinkish-brown, inclining to black on costa, turned in under cell towards the pinkish-brown discoidal spot, thence wavy to the dorsum; area beyond postmedial line suffused with brown and traversed by a diffuse pale brown band which projects inwards along the bend of the postmedial line; terminal line dark brown, fringes pale brown. Hind wings rather whiter than the fore wings; discoidal mark pinkish-brown, from which an elbowed line runs to dorsum; postmedial line pinkish-brown, oblique, uniting with the brownish band above tornus; terminal line dark brown; fringes whitish, ochreous at base.

Expanse, 24 mm. ♂. 27 mm. ♀.

Collection number, 1055.

One example of each sex from Arizan (7300 ft.), the male taken September 13th, 1908, and the female September 16th, 1906. One male from Tappansha, Arizan district (3500 ft.), September 6th, 1906.

There are four specimens in the British Museum (three Arizan (Wileman) and one Arizan (Moltrecht)).

*Sylepta sericcalis*, sp. n.

♂. Fore wings glossy, pale ochreous brown; antemedial line fuscous, outwardly oblique, indistinct; postmedial line fuscous, wavy, curved under end of cell, thence direct to dorsum, one third from tornus, a brownish dot in the cell and a brown elongate spot at end of cell; fringes paler and rather more glossy. Hind wings pale fuscous with a curved dusky transverse line one third from termen; fringes paler, glossy. Under side pale fuscous, margins

and fringes ochreous. Head and thorax ochreous brown, front legs whitish, marked with ochreous brown.

Expanse, 34 mm.

Collection number, 324.

Two female specimens from Tainan, June 30th, 1905.

*Pyrausta terminalis*, sp. n.

Fore wings pale straw colour, clouded with purplish-brown on the costa; antemedial line purplish-brown, incurved; an outwardly oblique linear spot at outer end of cell; below this a thin irregular line runs to termen; postmedial line brown, forming a deep sinus into the purplish-brown terminal area about middle; fringes pale purplish-brown, marked with straw colour at tornus. Hind wings pale straw colour, with purplish-brown discoidal spot and line of same colour from it to dorsum near tornus; postmedial line and terminal border as on fore wings, fringes pale straw colour. Under side similar to above.

Expanse, 18 mm.

Collection number, 354A.

One male specimen from Tainan, November 22nd, 1906.

Near *P. signatalis*, Walker.

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THE NOCTUIDÆ OF GREAT BRITAIN AS ARRANGED  
IN THE GENERAL COLLECTION AT THE NATURAL  
HISTORY MUSEUM.

BY RICHARD SOUTH.

IN the following list of British Noctuidæ the nomenclature is that used by Sir George F. Hampson in his 'Catalogue of the Lepidoptera Phalænæ in the British Museum,' vols. iv-xiii (1903-1913), and also in the General Collection of Lepidoptera at the Natural History Museum, South Kensington. The number before the name of each species is that of the catalogue. References to the 'Entomologists' Synonymic List' (E.S.L.), Meyrick's 'Handbook of British Lepidoptera' (M.), Tutt's 'British Noctuæ and their Varieties' (T.), and 'Moths of the British Isles' (M.B.I.) have been added as aids to those British entomologists who may have their collections arranged in accordance with either of these publications.

Fam. NOCTUIDÆ.

Subfam. AGROTINÆ. [Vol. IV (1903).]

50. CHLORIDEA DIPSACEA, L.

*Heliothis dipsacea*, E.S.L., p. 10; M., p. 109; T., iii, p. 123;  
M.B.I., ii, p. 48.